

PATENT

Serial No. 09/966,610

Amendment in Reply to Final Office Action of May 20, 2004

IN THE CLAIMS

Please cancel claims 8 and 13 without prejudice, amend claims 1, 11-12, 14-17, 19, 21 and 23 as follows:

1 1. (Currently Amended) An apparatus for displaying visual
2 representations of audio signals on an object, comprising:
3 a control unit for processing an input signal and performing
4 an input signal to visual pattern conversion; and
5 a display device for displaying said visual pattern, said
6 device including a generally planar light emitting layer being
7 conformable to a surface shape;
8 wherein said display device conforms to a three dimensional
9 surface shape of an outer surface of said object and is disposed in
10 a thin layer.

1 2. (Original) The apparatus of claim 1, wherein said input
2 signal comprises an audio component.

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1 3.(Original) The apparatus of claim 2, said control unit
2 further comprising at least one of a tempo, amplitude and frequency
3 processing unit for use during said input signal to visual pattern
4 conversion.

1 4.(Original) The apparatus of claim 1, wherein said display
2 device displays the visual pattern using electroluminescent
3 material.

1 5.(Original) The apparatus of claim 1, wherein said display
2 device displays the visual pattern using transistors.

1 6.(Original) The apparatus of claim 1, wherein the control
2 unit further comprises a user interface for controlling said input
3 signal to visual pattern conversion.

1 7.(Original) The apparatus of claim 1, wherein the control
2 unit contains software programming for controlling the generation
3 of said visual pattern.

Claim 8 (Canceled)

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1 9. (Previously Presented) An apparatus for displaying visual
2 representations of audio signals on an object, comprising:

3 a first moldable layer having a surface;

4 a plurality of light emitting devices positioned on the
5 surface of said first moldable layer to form an array; and

6 a second moldable layer positioned on said plurality of light
7 emitting devices, said second moldable layer manufactured from one
8 of a transparent and translucent material;

9 wherein said apparatus is moldable to conform to a three
10 dimensional surface of an-said object and is disposed in a thin
11 layer.

1 10. (Original) The apparatus of claim 9, further comprising a
2 control device having at least one input for receiving an audio
3 signal, and further having at least one output for connecting to
4 said plurality of light emitting devices and for controlling said
5 light emitting devices.

1 11. (Currently Amended) An apparatus for displaying visual
2 representations of audio signals on an object, comprising:

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3 a first layer having a surface;
4 a plurality of light emitting devices positioned on the
5 surface of said first layer to form an array; and
6 a second layer positioned on said plurality of light emitting
7 devices, wherein said second layer manufactured from one of a
8 transparent and translucent material;
9 wherein said layers include means for folding the apparatus
10 over a three dimensional surface of an said object and is disposed
11 in a thin layer.

1 12. (Currently Amended) An apparatus for displaying sensory
2 representations of input signals on an object, comprising:
3 a control unit for processing the input signal and performing
4 an input signal to sensory pattern conversion; and
5 a display device for outputting said sensory pattern;
6 wherein said display device conforms to a three dimensional
7 surface shape of an outer surface of said object and is disposed in
8 a thin layer.

Claim 13 (Canceled)

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1 14. (Currently Amended) The apparatus of claim ~~13~~1, wherein
2 the three dimensional surface shape to which said display device
3 conforms includes at least two surfaces oriented at about 90
4 degrees to one another.

1 15. (Currently Amended) The apparatus of claim ~~13~~1, wherein
2 said display device displays the visual pattern using
3 electroluminescent material comprising a luminescent organic
4 polymer.

1 16. (Currently Amended) The apparatus of claim ~~13~~1, wherein
2 the object comprises the case or housing for a CE device, the
3 display device being disposed coextensive with two or more of the
4 surfaces of the case.

1 17. (Currently Amended) The apparatus of claim 1, wherein the
2 device includes a cathode layer, an anode layer, and a light
3 emitting device between the cathode layer and the anode layer.

1 18. (Previously Presented) The apparatus of claim 17, wherein
2 the device is an electroluminescence display device.

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1 19. (Currently Amended) The apparatus of claim 9, wherein the
2 device includes a cathode layer, an anode layer, and a light
3 emitting device between the cathode layer and the anode layer.

1 20. (Previously Presented) The apparatus of claim 19, wherein
2 the device is an electroluminescence display device.

1 21. (Currently Amended) The apparatus of claim 11, wherein the
2 device includes a cathode layer, an anode layer, and a light
3 emitting device between the cathode layer and the anode layer.

1 22. (Previously Presented) The apparatus of claim 21, wherein
2 the device is an electroluminescence display device.

1 23. (Currently Amended) The apparatus of claim 12, wherein the
2 device includes a cathode layer, an anode layer, and a light
3 emitting device between the cathode layer and the anode layer.

1 24. (Previously Presented) The apparatus of claim 24, wherein
2 the device is an electroluminescence display device.